

CLAIMS

1. An Internet packet (IP) mobile wireless communication system, comprising:

at least one network operation center (NOC) including at least one home domain having at least one associated home agent;

plural base stations communicating with the NOC, each base station having at least one router and at least one foreign domain having at least one foreign agent; and

plural client devices in wireless IP communication with at least one base station, whereby a base station detecting a client device uses its associated foreign agent to communicate at least one access request to the NOC.

2. The system of Claim 1, wherein each client device is assigned an IP address and each base station stores accounting data related to network access of a client device through the base station.

3. The system of Claim 2, wherein the accounting data is sent to the NOC for correlation thereof to a client device registered at the NOC.

4. The system of Claim 1, wherein the NOC grants an access request when the client device associated with the request is registered at the NOC.

5. The system of Claim 1, wherein the NOC stores information relative to each client device registered at the NOC.

6. The system of Claim 4, wherein the NOC sends an acknowledgement of an access request to a base station to grant an access request from the base station.

7. The system of Claim 1, wherein mobile, up to the minute subscription services are provided to at least one client device by the NOC through at least one base station.

8. The system of Claim 1, wherein each router includes information to enable the router to recognize IP packets from foreign agents and home agents.

9. The system of Claim 1, wherein the home agent informs foreign agents of types of client devices communicating on the system.

10. The system of Claim 1, wherein a location of at least one client device is tracked and subscription services provided thereto based at least partially on the location.

11. The system of Claim 1, wherein each client device includes a directional antenna and an IP transceiver electrically coupled to the antenna for communicating with the base stations.

12. A mobile wireless IP-based communication network for providing up to the minute subscription services to client devices, comprising:

at least one network operation center (NOC); and

plural base stations communicating with the NOC and in wireless communication with client devices communicating with the network, the NOC providing subscription services to client devices via the base stations, the base stations receiving access authorizations from the NOC to permit client devices to communicate with the network, the base stations storing at least some accounting data based on client device usage of a base station.

13. The network of Claim 12, wherein the NOC includes at least one home domain having at least one associated home agent and each base station has at least one router and at least one foreign domain having at least one foreign agent.

14. The network of Claim 13, wherein each client device is assigned an IP address and each base station stores accounting data related to network access of a client device through the base station.

15. The network of Claim 14, wherein the accounting data is sent to the NOC for correlation thereof to a client device registered at the NOC.

16. The network of Claim 13, wherein the NOC grants an access request when the client device associated with the request is registered at the NOC.

17. The network of Claim 13, wherein the NOC stores information relative to each client device registered at the NOC.

18. The network of Claim 16, wherein the NOC sends an acknowledgement of an access request to a base station to grant an access request from the base station.

19. The network of Claim 13, wherein each router includes information to enable the router to recognize IP packets from foreign agents and home agents.

20. The network of Claim 13, wherein the home agent informs foreign agents of types of client devices communicating on the network.

21. The network of Claim 13, wherein a location of at least one client device is tracked and subscription services provided thereto based at least partially on the location.

22. The network of Claim 12, wherein the network has a data transmission rate between a client device and a base station in excess of one megabyte per second.

23. The system of Claim 1, wherein the system has a data transmission rate between a client device and a base station in excess of one megabyte per second.

24. A method for providing subscription services to client devices via a wireless network, comprising:

sending data to plural base stations; and

transmitting the data in IP format to at least one client device in wireless communication with at least one base station using a data transfer rate in excess of one megabyte per second.

25. The method of Claim 24, further comprising using a foreign agent at a base station to communicate with a home agent associated with a network operation center (NOC) to establish access to a wireless network such that the data can be received by a client device.

26. The method of Claim 25, further comprising combining an IP address of a client device with a name of a foreign agent to render a combination and sending the combination to the NOC.

27. The method of Claim 26, wherein the NOC uses the combination to determine whether to grant access to the associated client device.

28. The method of Claim 27, further comprising permitting a first client device to communicate with a second client device via at least one base station.

29. The method of Claim 24, further comprising storing at least some accounting data related to client device access at least one base station.

30. The method of Claim 24, further comprising tracking a location of at least one client device, and tailoring the subscription services in response thereto.